



USSN 10/537,449

Response to Office Action dated September 1, 2006

App. Docket 101215-189

Page 2

II. SEQUENCE LISTING

Please enter the Sequence Listing set forth below into the specification. It is also being provided as an attachment to this response. The content of the following sequence listing and the computer readable copy are the same and include no new matter.

SEQUENCE LISTING

<110> Technische Universität Dresden

<120> Polynucleotides Targeted Against Htert and Use Thereof

<130> 101215-189-2

<140> 10/537,449

<141> 2003-12-08

<160> 18

<170> PatentIn Ver. 2.1

<210> 1

<211> 75

<212> DNA

<213> Homo sapiens

<220>

<221> mRNA

<222> (1)..(75)

<223> subunit 2176-2250 of hTERT

<300>

<308> AF015950

<309> AUG-1997

<400> 1

ctttgtcaag gtggatgtga cgggcgcgta cgacaccatc cccaggaca ggctcacgga 60
ggtcacgcc agcat 75

<210> 2

<211> 98

<212> DNA

<213> Homo sapiens

<220>

<221> mRNA

<222> (1)..(98)

<223> subunit 2296-2393 of hTERT

<300>

<308> AF015950

<309> AUG-1997

<400> 2

ccagaaggcc gcccatgggc acgtccgcaa ggccttcaag agccacgtct ctaccttgac 60
agacctccag ccgtacatgc gacagttcgt ggctcacc 98

<210> 3

<211> 23

<212> DNA

<213> Homo sapiens

<220>

<221> mRNA

<222> (1)..(23)

<223> subunit 2183-2205 of hTERT

<300>

<308> AF015950

<309> AUG-1997

<400> 3

aaggtggatg tgacggggcgc gta 23

<210> 4

<211> 20

<212> DNA

<213> Homo sapiens

<220>

<221> mRNA

<222> (1)..(20)

<223> subunit 2206-2225 of hTERT

<300>

<308> AF015950

<309> AUG-1997

<400> 4

cgacaccatc ccccaggaca 20

<210> 5

<211> 20

<212> DNA

<213> Homo sapiens

<220>
<221> mRNA
<222> (1)..(20)
<223> subunit 2315-2334 of hTERT

<300>
<308> AF015950
<309> AUG-1997

<400> 5
cacgtccgca aggccttcaa

20

<210> 6
<211> 20
<212> DNA
<213> Homo sapiens

<220>
<221> mRNA
<222> (1)..(20)
<223> subunit 2317-2336 of hTERT

<300>
<308> AF015950
<309> AUG-1997

<400> 6
cgtccgcaag gccttcaaga

20

<210> 7
<211> 23
<212> DNA
<213> Homo sapiens

<220>
<221> mRNA
<222> (1)..(23)
<223> subunit 2324-2346 of hTERT

<300>
<308> AF015950
<309> AUG-1997

<400> 7
aaggccttca agagccacgt ctc

23

<210> 8

<211> 20
<212> DNA
<213> Homo sapiens

<220>
<221> mRNA
<222> (1)..(20)
<223> subunit 2331-2350 hTERT

<300>
<308> AF015950
<309> AUG-1997

<400> 8
tcaagagcca cgtctctacc

20

<210> 9
<211> 20
<212> DNA
<213> Homo sapiens

<220>
<221> mRNA
<222> (1)..(20)
<223> subunit 2333-2352 of hTERT

<300>
<308> AF015950
<309> AUG-1997

<400> 9
aagagccacg tctctacctt

20

<210> 10
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> hTERT-AS AStel 2206-2225

<300>
<308> AF015950
<309> AUG-1997

<400> 10
tgtcctgggg gatggtgtcg

20

<210> 11
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> hTERT-AS AStel 2315-2334

<300>
<308> AF015950
<309> AUG-1997

<400> 11
ttgaaggcct tgcggacgtg

20

<210> 12
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> hTERT-AS AStel 2317-2336

<300>
<308> AF015950
<309> AUG-1997

<400> 12
tcttgaaggc cttgcggacg

20

<210> 13
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> hTERT-AS AStel 2331-2350

<300>
<308> AF015950
<309> AUG-1997

<400> 13
ggtagagacg tggctcttga

20

<210> 14
<211> 20
<212> DNA

<213> Artificial Sequence

<220>

<223> hTERT-AS AStel 2333-2352

<300>

<308> AF015950

<309> AUG-1997

<400> 14

aaggtagaga cgtggctctt

20

<210> 15

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> chemically synthesized

<300>

<308> AF015950

<309> AUG-1997

<400> 15

cagtctcagt actgaagctg

20

<210> 16

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> chemically synthesized

<300>

<308> AF015950

<309> AUG-1997

<400> 16

cagcttcagt actgagactg

20

<210> 17

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> mRNA
<222> (1)..(501)
<223> subunit 2000-2500 of hTERT

<300>
<308> AF015950
<309> AUG-1997

<400> 17
aagagggccg agcgtctcac ctcgaggggtg aaggcactgt tcagcgtgct caactacgag 60
cgggcgcggc gccccggcct cctgggcgcc tctgtgctgg gcctggacga tatccacagg 120
gcctggcgca ccttcgtgct gcgtgtgcgg gcccgacc cgccgctga gctgtacttt 180
gtcaaggtgg atgtgacggg cgcgtacgac accatcccc aggacaggct cacggaggctc 240
atcgccagca tcatcaaacc ccagaacacg tactgcgtgc gtcggtatgc cgtgggtccag 300
aaggccgccc atgggcacgt ccgcaaggcc ttcaagagcc acgtctctac cttgacagac 360
ctccagcgt acatgcgaca gttcgtggct cacctgcagg agaccagccc gctgagggat 420
gccgtcgtca tcgagcagag ctctctccctg aatgaggcca gcagtggcct cttcgacgtc 480
ttctacgct tcatgtgcc a c 501

<210> 18
<211> 4015
<212> DNA
<213> Homo sapiens

<220>
<221> mRNA
<222> (1)..(4015)
<223> hTERT

<300>
<308> AF015950
<309> AUG-1997

<400> 18
gcagcgtgc gtcctgctgc gcacgtggga agccctggcc ccggccaccc ccgcgatgcc 60
gcgcgtccc cgtgcgcgag ccgtgcgctc cctgctgcgc agccactacc gcgaggtgct 120
gccgctggcc acgttcgtgc ggcgcctggg gccccagggc tggcggctgg tgcagcgcgg 180
ggacccggcg gctttccgcg cgtggtggc ccagtgcctg gtgtgcgtgc cctgggacgc 240
acggccgccc ccgcgcgccc cctccttccg ccagggtgtc tgctgaagg agctgggtggc 300
ccgagtgctg cagaggctgt gcgagcgcgg cgcgaagaac gtgctggcct tcggcttcgc 360
gctgctggac ggggcccgcg ggggcccccc cgaggccttc accaccagcg tgcgcagcta 420
cctgccccaa acggtgaccg acgcactgcg ggggagcggg gcgtgggggc tgctgctgcg 480
ccgcgtgggc gacgacgtgc tgggtcacct gctggcacgc tgcgcgtctt ttgtgctggt 540
ggctcccagc tgcgcctacc aggtgtgcgg gccgcgctg taccagctcg gcgctgccac 600
tcaggccccg cccccgccac acgctagtgg accccgaagg cgtctgggat gcgaacgggc 660
ctggaaccat agcgtcaggg aggcgggggt cccctgggc ctgccagccc cgggtgcgag 720
gaggcgcggg ggcagtgcc a gccgaagtct gccgttgccc aagaggccca ggcgtggcgc 780
tgccccctgag ccggagcggg cgcgcgttgg gcaggggtcc tgggcccacc cgggcaggac 840
gcgtggaccg agtgaccgtg gtttctgtgt ggtgtcacct gccagaccg ccgaagaagc 900
cacctctttg gagggtgcgc tctctggcac gcgccactcc caccatccg tgggcccgcc 960

gcaccacgcg	ggccccccat	ccacatcgcg	gccaccacgt	ccctgggaca	cgccttgtec	1020
cccgggtgtac	gccgagacca	agcaattcct	ctactcctca	ggcgacaagg	agcagctgcg	1080
gccctccttc	ctactcagct	ctctgaggcc	cagcctgact	ggcgctcgga	ggctcgtgga	1140
gaccatcttt	ctgggttcca	ggccctggat	gccagggact	ccccgcaggt	tgccccgcct	1200
gccccagcgc	tactggcaaa	tgcggccctt	gtttctggag	ctgcttgga	accacgcgca	1260
gtgccccctac	gggggtgtcc	tcaagacgca	ctgcccgtg	cgagctgagg	tcaccccagc	1320
agccgggtgtc	tgtgcccggg	agaagcccca	gggctctgtg	gcggcccccg	aggaggagga	1380
cacagacccc	cgtcgcctgg	tgcagctgct	ccgccagcac	agcagccctt	ggcaggtgta	1440
cggcttcgtg	cgggcctgcc	tgcgcgggct	ggtgccccca	ggcctctggg	gctccaggca	1500
caacgaacgc	cgcttcctca	ggaacaccaa	gaagttcatc	tccctgggga	agcatgccaa	1560
gctctcgtcg	caggagctga	cgtggaagat	gagcgtgcgg	gactgcgctt	ggctgcgcag	1620
gagcccagg	gttggtgtg	ttccggccgc	agagcaccgt	ctgcgtgagg	agatcctggc	1680
caagtccctg	cactggctga	tgagtgtgta	cgctcgtcag	ctgctcaggt	ctttctttta	1740
tgtcacggag	accacgtttc	aaaagaacag	gctctttttc	taccggaaga	gtgtctggag	1800
caagttgcaa	agcattggaa	tcagacagca	cttgaagagg	gtgcagctgc	gggagctgtc	1860
ggaagcagag	gtcaggcagc	atcgggaagc	caggcccgcc	ctgctgacgt	ccagactccg	1920
cttcattccc	aagcctgacg	ggctgcggcc	gattgtgaac	atggactacg	tcgtgggagc	1980
cagaacgttc	cgcagagaaa	agagggccga	gcgtctcacc	tcgagggtga	aggcactggt	2040
cagcgtgtc	aactacgagc	gggcgcggcg	ccccggcctc	ctgggcgcct	ctgtgctggg	2100
cctggacgat	atccacagg	cctggcgcac	cttcgtgctg	cgtgtgcggg	cccaggaccc	2160
gccgcctgag	ctgtactttg	tcaaggtgga	tgtgacgggc	gcgtacgaca	ccatccccca	2220
ggacaggctc	acggagggtca	tcgccagcat	catcaaacc	cagaacacgt	actgcgtgcg	2280
tcggtatgcc	gtggtccaga	aggccgcccc	tgggcacgtc	cgcaaggcct	tcaagagcca	2340
cgtctctacc	ttgacagacc	tccagccgta	catgcgacag	ttcgtggctc	acctgcagga	2400
gaccagccc	ctgaggggatg	ccgtcgtcat	cgagcagagc	tcctccctga	atgaggccag	2460
cagtggcctc	ttcgacgtct	tcctacgctt	catgtgccac	cacgccgtgc	gcatcagggg	2520
caagtcctac	gtccagtgcc	aggggatccc	gcagggtccc	atcctctcca	cgctgctctg	2580
cagcctgtgc	tacggcgaca	tggagaacaa	gctgtttgcg	gggattcggc	gggacgggct	2640
gctcctgctg	ttggtggatg	atctcttgtt	ggtgacacct	cacctacccc	acgcgaaaac	2700
cttcctcagg	accctggctc	gaggtgtccc	tgagtatggc	tgcgtgggtga	acttgcgga	2760
gacagtgggtg	aacttccctg	tagaagacga	ggccctgggt	ggcacggctt	ttgttcagat	2820
gccggcccc	ggcctattcc	cctggtgcgg	cctgtgctg	gatacccga	ccctggagg	2880
gcagagcgac	tactccagct	atgcccgagc	ctccatcaga	gccagtctca	ccttcaaccg	2940
cggcttcaag	gctgggagga	acatgcgtcg	caaactcttt	ggggctcttg	ggctgaagt	3000
tcacagcctg	ttcttggtat	tgcaggtgaa	cagcctccag	acggtgtgca	ccaacatcta	3060
caagatcctc	ctgctgcagg	cgtacagggt	tcacgcaggt	gtgctgcagc	tcctatttca	3120
tcagcaagtt	tggagaaccc	ccacattttt	cctgcgcgtc	atctctgaca	cggcctccct	3180
ctgctactcc	atcctgaaag	ccaagaacgc	agggatgtcg	ctgggggcca	agggcgccgc	3240
cggccctctg	ccctccgagg	ccgtgcagtg	gctgtgccac	caagcattcc	tgctcaagct	3300
gactcgacac	cgtgtcacct	acgtgccact	cctgggggtca	ctcaggacag	cccagacgca	3360
gctgagtcgg	aagctcccgg	ggacgacgct	gactgccttg	gaggccgcag	ccaacccggc	3420
actgccctca	gacttcaaga	ccatcctgga	ctgatggcca	cccggccaca	gccaggccga	3480
gagcagacac	cagcagccct	gtcacgccgg	gctctacgtc	ccagggaggg	aggggcggcc	3540
cacacccagg	cccgcaccgc	tgggagtctg	aggcctgagt	gagtgtttgg	ccgaggcctg	3600
catgtccggc	tgaaggctga	gtgtccggct	gaggcctgag	cgagtgtcca	gccaaagggt	3660
gagtgtccag	cacacctgcc	gtcttcaact	ccccacaggc	tggcgctcgg	ctccacccca	3720
gggcccagctt	ttcctcacca	ggagcccggc	ttccactccc	cacataggaa	tagtccatcc	3780
ccagattcgc	cattgttcac	ccctgcctct	gccctccttt	gccttccacc	cccaccatcc	3840
aggtggagac	cctgagaagg	accctgggag	ctctgggaat	ttggagtgc	caaaggtgtg	3900
ccctgtacac	aggcgaggac	cctgcacctg	gatgggggtc	cctgtgggtc	aaattggggg	3960
gaggtgctgt	gggagtaaaa	tactgaatat	atgagttttt	cagttttgaa	aaaaa	4015